

## Refine Search

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Terms	Documents
L4 and centrifuge	11

**Database:**

US Pre-Grant Publication Full-Text Database  
US Patents Full-Text Database  
US OCR Full-Text Database  
EPO Abstracts Database  
JPO Abstracts Database  
Derwent World Patents Index  
IBM Technical Disclosure Bulletins

**Search:**

### Search History

**DATE: Friday, July 08, 2005** [Printable Copy](#) [Create Case](#)

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ			
<u>L5</u>	L4 and centrifuge	11	<u>L5</u>
<u>L4</u>	L3 and hydrogen and 562/\$	50	<u>L4</u>
<u>L3</u>	L2 and br and co and mn	402	<u>L3</u>
<u>L2</u>	L1 and oxi\$7 and catalyst	13278	<u>L2</u>
<u>L1</u>	terephthalic acid and isophthalic acid	30543	<u>L1</u>

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### Search Results - Record(s) 1 through 10 of 11 returned.

#### 1. Document ID: US 20050137420 A1

L5: Entry 1 of 11

File: PGPB

Jun 23, 2005

PGPUB-DOCUMENT-NUMBER: 20050137420

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050137420 A1

TITLE: Anthracene and other polycyclic aromatics as activators in the oxidation of aromatic hydrocarbons

PUBLICATION-DATE: June 23, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Schammel, Wayne P.	Plainfield	IL	US	
Adamian, Victor A.	Naperville	IL	US	
Viswanath, Yenamandra	Naperville	IL	US	
Zakharov, Igor V.	Moscow		RU	

US-CL-CURRENT: 562/416[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KUMC](#) | [Drawn De](#)

#### 2. Document ID: US 20050065373 A1

L5: Entry 2 of 11

File: PGPB

Mar 24, 2005

PGPUB-DOCUMENT-NUMBER: 20050065373

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050065373 A1

TITLE: Process for the purification of a crude carboxylic acid slurry

PUBLICATION-DATE: March 24, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sumner, Charles Edwan JR.	Kingsport	TN	US	
Gibson, Philip Edward	Kingsport	TN	US	
Lin, Robert	Kingsport	TN	US	
Fugate, Eric Jackson	Gate City	VA	US	

Arnold, Ernest William

Lake Wylie SC US

US-CL-CURRENT: 562/600

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Drawn D
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3. Document ID: US 20040110981 A1

L5: Entry 3 of 11

File: PGPB

Jun 10, 2004

PGPUB-DOCUMENT-NUMBER: 20040110981

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040110981 A1

TITLE: Process for the oxidative purification of terephthalic acid

PUBLICATION-DATE: June 10, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sheppard, Ronald Buford	Voorburg	TN	NL	
Tennant, Brent Alan	Kingsport	TN	US	
Woodruff, Thomas Earl	Kingsport	TN	US	
Lin, Robert	Kingsport		US	

US-CL-CURRENT: 562/486; 562/606

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Drawn D
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4. Document ID: US 20040110980 A1

L5: Entry 4 of 11

File: PGPB

Jun 10, 2004

PGPUB-DOCUMENT-NUMBER: 20040110980

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040110980 A1

TITLE: Process for the oxidative purification of terephthalic acid

PUBLICATION-DATE: June 10, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sheppard, Ronald Buford	Voorburg	TN	NL	
Tennant, Brent Alan	Kingsport	TN	US	
Woodruff, Thomas Earl	Kingsport	TN	US	
Lin, Robert	Kingsport		US	

US-CL-CURRENT: 562/413; 562/486

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn D
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5. Document ID: US 20020193630 A1

L5: Entry 5 of 11

File: PGPB

Dec 19, 2002

PGPUB-DOCUMENT-NUMBER: 20020193630

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020193630 A1

TITLE: Process for the production of purified terephthalic acid

PUBLICATION-DATE: December 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Lin, Robert	Kingsport	TN	US	
O'Meadhra, Ruairi Seosamh	Kingsport	TN	US	
Kingsport, Ronald Buford	Sheppard	TN	US	

US-CL-CURRENT: 562/414

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn D
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6. Document ID: US 6255525 B1

L5: Entry 6 of 11

File: USPT

Jul 3, 2001

US-PAT-NO: 6255525

DOCUMENT-IDENTIFIER: US 6255525 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Process for preparing purified carboxylic acids

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMPC	Drawn D
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7. Document ID: US 5728870 A

L5: Entry 7 of 11

File: USPT

Mar 17, 1998

US-PAT-NO: 5728870

DOCUMENT-IDENTIFIER: US 5728870 A

TITLE: Process for preparing purified 2,6-naphthalenedicarboxylic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMPC	Drawn D
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8. Document ID: US 5629446 A

L5: Entry 8 of 11

File: USPT

May 13, 1997

US-PAT-NO: 5629446

DOCUMENT-IDENTIFIER: US 5629446 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Process for preparing purified 2,6-naphthalenedicarboxylic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMNC	Drawn	De
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 **9. Document ID: US 5563294 A**

L5: Entry 9 of 11

File: USPT

Oct 8, 1996

US-PAT-NO: 5563294

DOCUMENT-IDENTIFIER: US 5563294 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Process for preparing purified 2,6-naphthalenedicarboxylic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMNC	Drawn	De
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 **10. Document ID: US 5292934 A**

L5: Entry 10 of 11

File: USPT

Mar 8, 1994

US-PAT-NO: 5292934

DOCUMENT-IDENTIFIER: US 5292934 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Method for preparing aromatic carboxylic acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMNC	Drawn	De
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Terms	Documents
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11. Document ID: US 4675438 A

L5: Entry 11 of 11

File: USPT

Jun 23, 1987

US-PAT-NO: 4675438

DOCUMENT-IDENTIFIER: US 4675438 A

\*\* See image for Certificate of Correction \*\*

TITLE: Direct continuous flow integration of production and purification of high purity iso- or terephthalic acid

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Claims</a>	<a href="#">KOMC</a>	<a href="#">Drawn D</a>
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